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Replication, Consistency, and Practicality: Are These Mutually Exclusive?

TA Anderson, Y Breitbart, HF Korth, A Wool - SIGMOD Conference, 1998 - portal.acm.org

... Are These Mutually **Exclusive**? ... 70% - 80% of transactions under the global **locking** protocol were ... management of replicated data in a **distributed database** is an ...Cited by 81 - [Web Search](#) - [portal.acm.org](#) - [acm.org](#)Production rules in parallel and distributed database environments

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... Figure 3: Algorithm for **distributed** rule processing ... cannot con- currently hold a shared or **exclusive R lock** ... grade locks (as well as standard **locking** to exclude ...Cited by 33 - [View as HTML](#) - [Web Search](#) - [cdserv4.inria.fr](#) - [acm.org](#) - [www-db.stanford.edu](#) - all 9 versions »On the modeling of parallel access to shared data

A Chesnais, E Gelenbe, I Mitrani - Communications of the ACM, 1983 - portal.acm.org

... 3 Mohan, C. **Distributed database** management: Progress, problems, and future directions. ...Leblanc, Analysis of **locking** policies in **database** management systems ...Cited by 37 - [Web Search](#) - [portal.acm.org](#)System Deadlocks

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N Krivokapic, A Kemper, E Gudes - VLDB Journal, 1999 - springerlink.com

... **locking**, while some algorithms, such as [SN85], can handle only **exclusive locking**. ...In a large-scale **distributed database** system, it is likely that different ...Cited by 16 - [Web Search](#) - [portal.acm.org](#) - [www-db.in.tum.de](#) - [db.fmi.uni-passau.de](#) - all 10 versions »Divergence control for distributed database systems

C Pu, W Hseush, GE Kaiser, KL Wu, PS Yu - Distributed and Parallel Databases, 1995 - springerlink.com

... a strict 2-phase **locking** divergence control algorithm and an optimistic divergencecontrol algorithm for a homo- geneous **distributed database** system, where the ...Cited by 18 - [Web Search](#) - [cs.cornell.edu](#) - [cse.ogi.edu](#) - [portal.acm.org](#) - all 5 versions »Replicated document management in a group communication system

L Kawell, S Beckhardt, T Halvorsen, R Ozzie, I ... - Proc. of ACM CSCW Conf, 1988 - portal.acm.org

... a large number of geographically **distributed** servers in ... Propagation of **database** changesoccurs between servers ... particularly important because **exclusive** locks to ...Cited by 83 - [Web Search](#)Optional locking integrated with operational transformation in distributed real-time group editors

C Sun, R Sosic - PROC ANNU ACM SYMP PRINC DISTRIB COMPUT, 1999 - portal.acm.org

... is a standard technique in traditional **distributed** computing and ... the users are providedwith **locking** facilities to ... two users could obtain an **exclusive** lock on ...Cited by 20 - [Web Search](#) - [cad.zju.edu.cn](#) - [csa.com](#) - all 4 versions »Probabilistic Models of Database Locking: Solutions, Computational Algorithms, and Asymptotics

D Mitra, PJ Weinberger - Journal of the ACM, 1984 - portal.acm.org

... results for concurrent processing with **exclusive** and nonexclusive ... means of the arbitrarily **distributed** processing times ... Probabllistic Models of **Database Locking** ...
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Object-based semantic real-time concurrency control

LBC DiPippo, VF Wolfe - IEEE Real-Time Systems Symposium, 1993 - [ieeexplore.ieee.org](#)
... in a traditional **database**. One form of data logical consistency re- quires mutual exclusion, which is supported using techniques such as **exclusive locking** and ...
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